

0420 : 142



OIPE

ENTERED

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/060,036

DATE: 02/22/2002 P.5
 TIME: 16:12:03

Input Set : F:\566.app
 Output Set: N:\CRF3\02222002\J060036.raw

4 <110> APPLICANT: Benson, Darin R.
 5 Kalos, Michael D.
 6 Lodes, Michael J.
 7 Persing, David H.
 8 Hepler, William T.
 9 Jiang, Yuqiu
 12 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
 13 AND DIAGNOSIS OF PANCREATIC CANCER
 16 <130> FILE REFERENCE: 210121.566
 C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/060,036
 19 <141> CURRENT FILING DATE: 2002-01-30
 21 <160> NUMBER OF SEQ ID NOS: 4560
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 604
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Homo sapiens
 30 <400> SEQUENCE: 1
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 32 ccgccacccg cctcccacca tggctctgaa gagaatccac aaggaattga atgatctggc 120
 33 acgggaccct ccagcacagt gtccagcagg tcctgttgga gatgatatgt tccattggca 180
 34 agctacaata atggggccaa atgacagtcc ctatcagggt ggagtatttt tcttgacaat 240
 35 tcatttccca acagattacc ccttcaaacc acctaagggt gcatttacia caagaattta 300
 36 tcatccaaat attaacagta atggcagcat ttgtcttgat attctacgat cacagtgggc 360
 37 tccagcacta actatttcaa aagtactctt gtccatctgt tctctgttgt gtgatcccaa 420
 38 tccagatgat cctttagtgc ctgagattgc tcgcatctac aaaacagata gagaaaagta 480
 39 caacagaata gctcgggaat ggactcagaa gtatgcgatg taattaaaga aattattgga 540
 40 taacctctac aaataaagat aggggaactc tgaaagagaa agtccttttg atttccattt 600
 41 gact 604
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 44 <211> LENGTH: 455
 45 <212> TYPE: DNA
 46 <213> ORGANISM: Homo sapiens
 48 <220> FEATURE:
 49 <221> NAME/KEY: misc_feature
 50 <222> LOCATION: 6
 51 <223> OTHER INFORMATION: n = A,T,C or G
 53 <400> SEQUENCE: 2
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 55 gaagtactgc caagtcattc gtgtcattgc ccacacccag atgcgcctgc ttcctctgcy 120
 56 ccagaagaag gccacactga tggagatcca ggtgaacgga ggcactgtgg ccgagaagct 180
 57 ggactgggccc cgcgagagcc ttgagcagca ggtacctgtg aaccaagtgt ttgggcagga 240
 58 tgagatgatc gacgtcatcg ggtgaccaa gggcaaaggc tacaaggagg tcaccagtcg 300

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116 ggcgtctgga agtccaatgt ggcaaggaaa aacagggtctt catcgaatct actaattcca 120
117 caccttttat tgacacagaa aatggtgaga atcccaaatt tgattgattt gaagaacatg 180
118 tgagagggtt gactagatga tggatgccaa tattaatct gctggagttt catgtacaag 240
119 atgaaggaga ggcaacatcc aaaatagtta agacatgatt tccttgaatg tggcttgaga 300
120 aatatggaca cttaatacta ccttgaaaat aagaatagaa ataaaggatg ggattgtgga 360
121 atggagattc agttttcatt tggttcatta attctataag gccataaaac aggtaatata 420
122 aaaagcttcc atgattctat ttatatgtac atgagaagga acttccaggt gttaatgtaa 480
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127 <211> LENGTH: 556
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134 caccaagatg ataccctgtg acttctcat cccgggtccag acccagcacc ccatacggaa 180
135 gggctctgcat cacaagatcc tcctggccaa cttcttggcc cagacagagg ccctgatgag 240
136 gggaaaatcg acggaggagg cccgaaagga gctccaggct gcgggcaaga gtccagagga 300
137 ccttgagagg ctgctgccac ataaggtctt tgaaggaaat cgcccaacca actctattgt 360
138 gttcaccaag ctacacccat tcatgcttg agccttggtc gccatgtatg agcacaagat 420
139 cttcgttcag ggcacatctt gggacatcaa cagctttgac cagtggggag tggagctggg 480
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141 cgacgcttct accaat 556
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144 <211> LENGTH: 601
145 <212> TYPE: DNA
146 <213> ORGANISM: Homo sapiens
148 <400> SEQUENCE: 8
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151 actaaccaac acactaacca tataccaatg atggcgcat gtaacacgag aaagcacata 180
152 ccaaggccac cacacaccac ctgtccaaaa aggccttcga tacgggataa tcctatttat 240
153 tacctcagaa gtttttttct tcgcaggatt tttctgagcc ttttaccact ccagcctagc 300
154 ccctaccccc caattaggag ggcaactggc cccaacaggc atcaccgccg taaatcccct 360
155 agaagtccca ctccataaca catccgtatt actcgcatca ggagtatcaa tcacctgagc 420
156 tcaccatagt ctaatagaaa acaaccgaaa ccaataatt caagcactgc ttattacaat 480
157 tttactgggt ctctatttta ccctcctaca agcctcagag tacttcgagt ctcccttcac 540
158 catttccgac ggcacctacg gctcaacatt tttttagacc acaggcttcc acggacttca 600
159 c 601
161 <210> SEQ ID NO: 9
162 <211> LENGTH: 602
163 <212> TYPE: DNA
164 <213> ORGANISM: Homo sapiens
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168 agcctggaac ccctccgct ccaagctagc agcagcaatc ctgggtgggtg tggaccagat 120
169 ccacatcaaa ccgggggcta aggttctcta cctcggggct gcctcgggca ccacggtctc 180
170 ccatgtctct gacatcgttg gtccggatgg tctagtctat gcagtcgagt tctcccaccg 240

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59 ttggcacacc aagaagctgc cccgcaagac ccaccgaggc ctgcgcaagg tggcctgtat 360
60 tggggcatgg catcctgctc gtgtagcctt ctctgtggca cgcgctgggc agaaaggcta 420
61 ccatcacccg actgagatca acaagaagat ttata 455
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63 <211> LENGTH: 604
64 <212> TYPE: DNA
65 <213> ORGANISM: Homo sapiens
66 <400> SEQUENCE: 3
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68 gtaacctacc cctgtgggtc atcatcatgc cctccgacct ggccaagaag aaggcagcca 120
69 aaaagaagga ggctgccaaa gctcgacagc ggcccagaaa aggacatgaa gaaaatggag 180
70 atgttgctac agaaccacag gtggcagaga agaattgagg caatggcaga gagaccacag 240
71 aagtagattt gctgaccaag gagctagagg actttgagat gaagaaagct gctgctcgag 300
72 ctgtcactgg cgtcctggcc tctcacccca acagtactga tgttcacatc atcaacctct 360
73 cacttacctt tcatgggtcaa gagctgctca gtgacaccaa actggaatta aactcaggcc 420
74 gtcgttatgg cctcatttgt ttaaatggaa ttggaaagtc catgctgctc tctgctattg 480
75 ggaagcgtga agtgcccatc cctgagcaca tcgacatcta ccatctgact cgagagatgc 540
76 cccctagtga caagacaccc ttgcattgtg tgatggaagt cgacacagag cgggccatgc 600
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79 <211> LENGTH: 434
80 <212> TYPE: DNA
81 <213> ORGANISM: Homo sapiens
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84 agaacgggtt ccggaagggtc cagctggagg cccggacacc actcccacga gggacggaca 120
85 atgaagtggc cgccttgtag cccccgtgg tgcagctgca cgacagcaac ccctacccgc 180
86 ggcgggagca cccccacccc accgcgcggc cctggcgggc agatgacatc ctggccagcc 240
87 cccctcgctt gcccgagccc cagccctacc ccggagcccc gcaccacagc tcctacgtgc 300
88 acctgcggcc ggcacgaccc acaagcccac ccgccacagc caccgcgact tccagccggg 360
89 gctccacctg gttgcgctca acagccccct gtcaggcggc atgcggggca tccgcggggc 420
90 cgacttcag tgct 434
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92 <211> LENGTH: 301
93 <212> TYPE: DNA
94 <213> ORGANISM: Homo sapiens
95 <400> SEQUENCE: 5
96 aacagattac cccttcaaac cacctaaggt tgcatttaca acaagaattt atcatccaaa 60
97 tattaacagt aatggcagca tttgtcttga tattctacga tcacagtggg ctccagcact 120
98 aactatttca aaagtactct tgtccatctg ttctctgttg tgtgatccca atccagatga 180
99 tccttttagt cctgagattg ctcgatcta caaaacagat agagaaaagt acaacagaat 240
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101 c 301
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103 <211> LENGTH: 554
104 <212> TYPE: DNA
105 <213> ORGANISM: Homo sapiens
106 <400> SEQUENCE: 6
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171 ctctggccgt gacctcatta acttggccaa gaagaggacc aacatcattc ctgtgatcga 300
172 ggatgctcga caccacaca aataccgcat gctcatcgca atggtggatg tgatctttgc 360
173 tgatgtggcc cagccagacc agaccggat tgtggccctg aatgccaca ccttcctgcg 420
174 taatggagga cactttgtga tttccattaa ggccaactgc attgactcca cagcctcagc 480
175 cgaggccgtg tttgcctccg aagtgaaaaa gatgcaacag gagaacatga agccgcagga 540
176 gcagttgacc cttgagccat atgaaagaga ccatgccgtg gtcgtgggag tgtacaggcc 600
177 ac 602
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180 <211> LENGTH: 372
181 <212> TYPE: DNA
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184 <400> SEQUENCE: 10
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186 ctggaagttt aattatatgt agagtggaaa ggcagttcca gttttagcac agatttgttt 120
187 atgtgttcag attttaatag agattcaaaa atgactcatt ttaccaata atgttaaatt 180
188 agttttggtt gtgctagcat gaattaataa ccaccatttt ataccagtat catcagtga 240
189 gaattgtatt tcaagattca aacaataacc agcaattaaa cttttttcta caatgtattt 300
190 gtttgcgagt aggacttggg agtcattggg aaaaaaaaaa aataaatttt ccccttcatt 360
191 aacgaaaaaa aa 372
193 <210> SEQ ID NO: 11
194 <211> LENGTH: 493
195 <212> TYPE: DNA
196 <213> ORGANISM: Homo sapiens
198 <400> SEQUENCE: 11
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200 cgtgcggaac tgetccagtt tctgatcaa gaggaataag cagacctaca gcactgagcc 120
201 caataacttg aaggcccgca attccttccg ctacaacgga ctgattcacc gcaagactgt 180
202 gggcgtggag ccggcagccg acggcaagg tgctgtggtg gtcattaagc ggagatccgg 240
203 ccagcggaag cctgccacct cctatgtgcg gaccaccatc aacaagaatg ctgcgcgccac 300
204 gctcagcagc atcagacaca tgatccgcaa gaacaagtac cgccccgacc tgcgcatggc 360
205 agccatccgc agggccagcg ccctcctgcg cagccagaag cctgtgatgg tgaagaggaa 420
206 ggggacccgc cccaccaaga gctcctgagc cccctgcccc cagagcaata aagtcagctg 480
207 gctttctcaa aaa 493
209 <210> SEQ ID NO: 12
210 <211> LENGTH: 442
211 <212> TYPE: DNA
212 <213> ORGANISM: Homo sapiens
214 <400> SEQUENCE: 12
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216 ttttcttcaa gtattgagtt ctgttcaatg cattggacat gtgatttaag ggaaaagtgt 120
217 gaatgcttat agatgatgaa aacctgggtg gctgcagagc ccagttttaga agaagtgagt 180
218 tgggggttgg ggacagattt ggtggtggtg tttcccaact gtttctctcc ctaaattcag 240
219 aggaatgcag ctatgccaga agccagagaa gagccactcg tagcttctgc tttggggaca 300
220 actggtcagt tgaaagtccc aggagttcct ttgtggcttt ctgtataact ttgcctggtt 360
221 aaagtctgtg gctaaaaaat agtcgaacct ttcttgagaa ctctgtaaca aagtatgttt 420
222 ttgattaaaa gagaaagcca aa 442
224 <210> SEQ ID NO: 13
225 <211> LENGTH: 603
226 <212> TYPE: DNA

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227 <213> ORGANISM: Homo sapiens

229 <400> SEQUENCE: 13

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232 tggttttgtt atcgaagctt tcaccagact accatacctg tgtgaaggcg acatgtataa 180
233 tgactactac gttctggatg acgctgtctt tgttctcaaa ccagtataaa cacgtggagg 240
234 tcgaagtctt cagagtccgc accctccggg atgtgccctt ggaagagggt ctgtgttcac 300
235 aattacgtga agggaggacc cttggggacc gccattctaa atatcatgta ggaatttaaa 360
236 aagccaaaat actaattatt tctttgtagt gtgtaaagga atgtttttaa aagacaaaaa 420
237 cccaactctt tgtggatttt tatcaactct ttactcagag ccactctcca atgcaggtca 480
238 cactccaatt atgatggaag atatttttta tacttaattg cagtagggac tcattcccag 540
239 acaaagcaat agtcacgact tcatggaacc aatcaatgga ttgttttttg aagactggca 600
240 ata 603

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243 <211> LENGTH: 531

244 <212> TYPE: DNA

245 <213> ORGANISM: Homo sapiens

247 <400> SEQUENCE: 14

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250 accaggacag aaatcattat cttagccacc agaacacaga atgttcttgg tgagaaggcg 180
251 cggcggtatc ggaactgac tgctgtagtt cagaagaggt ttggctttcc agagggcagt 240
252 gtagagcttt atgctgaaaa ggtggccact agaggtctgt gtgccattgc ccaggcagag 300
253 tctctgcgtt acaaaactct aggagggtct gctgtgcgga gggcctgcta tgggtgtgctg 360
254 cggttcatca tggagagtgg ggccaaaggc tgcgaggttg tgggtgtctg gaaactccga 420
255 ggacagaggg ctaaatccat gaagtttgtg gatggcctga tgatccacag cggagaccct 480
256 gttaactact acgttgacac tgctgtgccc cacgtgttgc tcagacaggg t 531

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259 <211> LENGTH: 451

260 <212> TYPE: DNA

261 <213> ORGANISM: Homo sapiens

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264 <221> NAME/KEY: misc_feature

265 <222> LOCATION: 4, 39, 40, 43, 168, 212, 385, 447

266 <223> OTHER INFORMATION: n = A,T,C or G

268 <400> SEQUENCE: 15

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270 tgacgtcggg ggaacaacat tccctgtcac togaggccag gatgtggggc gttatcaggt 120
W--> 271 gtctctggag ctggaccaca agagcgccca cgcaggcacc tatgaggnta gattcttcga 180
W--> 272 cgaggagtcc tacagcctcc tcaggaaggc tnaagaggaat aacgaggaca tttccatcat 240
273 cccgcctctg tttacagtca gcgtggacca tcggggcact tggaacgggc cctgggtgtc 300
274 cactgaggtg ctggtctggg cgatcggctt gtgatctact acttggcctt cagtgcgaag 360
W--> 275 agccacatcc aggcctgagg gcggnacccc agccctgcct tgctttcttc aataaacatc 420
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278 <210> SEQ ID NO: 16

279 <211> LENGTH: 502

280 <212> TYPE: DNA

281 <213> ORGANISM: Homo sapiens

283 <220> FEATURE:

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

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Input Set : F:\566.app

Output Set: N:\CRF3\02222002\J060036.raw

L:18 M:270 C: Current Application Number differs, Wrong Format

L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41
L:1399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:2227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:2228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:2242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:2243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:2246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:2247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:2248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
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L:2305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79
L:2306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79
L:2307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79
L:2323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80
L:2340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81

VERIFICATION SUMMARY

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Input Set : F:\566.app

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L:2342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81
L:2343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81
L:2344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81